BERETTA

A391
Xtrema2

Manuale di Istruzione
Instruction Manual
Mode d'Emploi

Illustrations on pages 48, 108, 109, 110 and 111

ALWAYS KEEP THIS MANUAL WITH YOUR FIREARM. INCLUDE IT WITH THE GUN WHEN IT CHANGES OWNERSHIP OR WHEN IT IS LOANED OR PRESENTED TO ANOTHER PERSON.

WARNING: FIREARMS CAN BE DANGEROUS AND CAN POTENTIALLY CAUSE SERIOUS INJURY, DAMAGE TO PROPERTY OR DEATH, IF HANDLED IMPROPERLY. THE FOLLOWING SAFETY RULES ARE AN IMPORTANT REMINDER THAT FIREARM SAFETY IS YOUR RESPONSIBILITY.

NOTICE: The Manufacturer and/or its Local Official Distributors assume no responsibility for product malfunction or for physical injury or property damage resulting in whole or in part from criminal or negligent use of the product, improper or careless handling, unauthorized modifications, use of defective, improper, hand-loaded, reloaded or remanufactured ammunition, customer abuse or neglect of the product, or other influences beyond manufacturer's direct and immediate control.

In addition to the Basic Safety Rules, there are other Safety Rules pertaining to the loading, unloading, disassembly, assembly and use of this firearm, located throughout this manual.

WARNING: READ THE ENTIRE MANUAL CAREFULLY BEFORE USING THIS FIREARM. MAKE SURE THAT ANY PERSON USING OR HAVING ACCESS TO THIS FIREARM READS AND UNDERSTANDS ALL OF THIS MANUAL PRIOR TO USE OR ACCESS.

NOTICE: The interchangeable barrel of this shotgun has a serial number different from that stamped on the receiver.

WE RECOMMEND THE USE OF ORIGINAL BERETTA SPARE PARTS AND ACCESSORIES. THE USE OF OTHER MANUFACTURER'S SPARE PARTS AND ACCESSORIES COULD CAUSE MALFUNCTIONS AND/OR BREAKAGES THAT WILL NOT BE COVERED BY THE BERETTA WARRANTY.

CONTENTS

	Page
BASIC SAFETY RULES	40
NOMENCLATURE	44
DESCRIPTION	45
TECHNICAL FEATURES AND DATA	49
ASSEMBLY OF THE PACKED SHOTGUN	50
LOAD CHECK	52
OBSTRUCTION CHECK	53
AMMUNITION	53
LOADING THE FIREARM	55
USE OF THE CUT-OFF DEVICE	57
UNLOADING THE FIREARM	57
DISASSEMBLY	58
BERETTA OPTIMACHOKE® PLUS TUBES	60
ROUTINE MAINTENANCE	62
SPECIAL MAINTENANCE	64
REASSEMBLY	65
GEL•TEK RECOIL PAD	67
STOCK SPACERS	68
STOCK DROP AND CAST MODIFICATION	69
REPLACEMENT OF TRUGLO® FRONT SIGHT LUMINOUS INSERT	71
STORAGE	71

This instruction manual consists of 111 pages.

BASIC SAFETY RULES

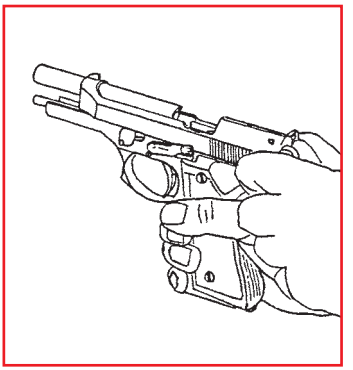
1. NEVER POINT A FIREARM AT SOMETHING THAT IS NOT SAFE TO SHOOT.

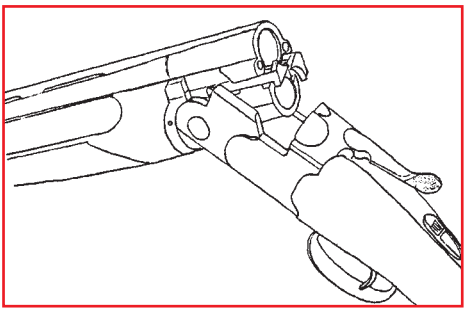
Never let the muzzle of a firearm point at any part of your body or at another person. This is especially important when loading or unloading the firearm. When you are shooting at a target, know what is behind it. Some bullets can travel over a mile. If you miss your target or if the bullet penetrates the target, it is your responsibility to ensure that the shot does not cause unintended injury or damage.

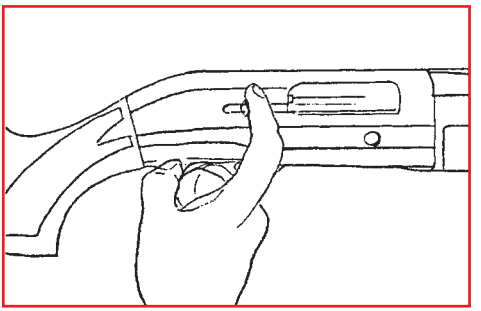
2. ALWAYS TREAT A FIREARM AS IF IT WERE LOADED.

Never assume that a firearm is unloaded. **The only certain way to ensure that a firearm has the chamber(s) empty is to open the chamber and visually and physically examine the inside to see if a round is present.**

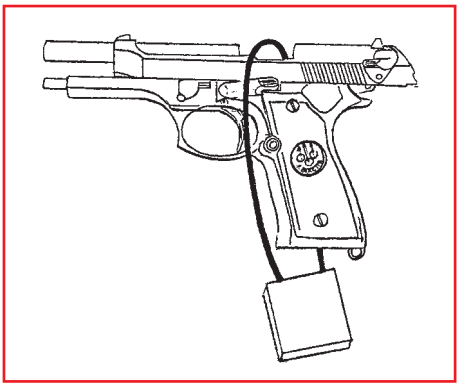
Removing or unloading the magazine will not guarantee that a firearm is unloaded or cannot fire. Shotguns and rifles can be checked by cycling or removing all rounds and by then opening and inspecting the chamber so that a visual inspection of the chamber for any remaining rounds can be made.

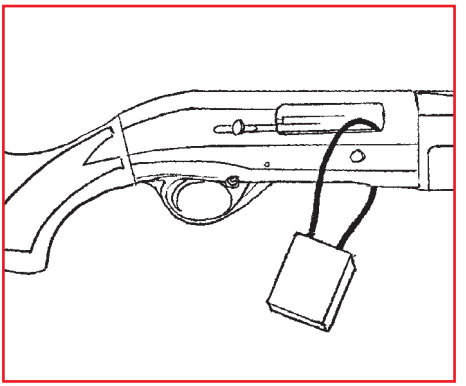






3. STORE YOUR FIREARM SO THAT CHILDREN CANNOT GAIN ACCESS TO IT.
It is your responsibility to ensure that children under the age of 18 or other unauthorized persons do not gain access to your firearm. **To reduce the risk of accidents involving children, unload your firearm, lock it and store the ammunition in a separate locked location.** Please note that devices intended to prevent accidents - for example, cable locks, chamber plugs, etc, - may not prevent use or misuse of your firearm by a determined person. Firearm storage in a steel gun safe may be more appropriate to reduce the likelihood of intentional misuse of a firearm by an unauthorized child or person.





4. NEVER SHOOT AT WATER OR AT A HARD SURFACE.
Shooting at the surface of water or at a rock or other hard surface increases the chance of ricochets or fragmentation of the bullet or shot, which can result in the projectile striking an unintended or peripheral target.

5. KNOW THE SAFETY FEATURES OF THE FIREARM YOU ARE USING, BUT REMEMBER: SAFETY DEVICES ARE NOT A SUBSTITUTE FOR SAFE HANDLING PROCEDURES.
Never rely solely on a safety device to prevent an accident. It is imperative that you know and use the safety features of the particular firearm you are handling, but accidents can best be prevented by following the safe handling procedures described in these safety rules and elsewhere in the product manual. To further familiarize yourself with the proper use of this or other firearms, take a Firearms Safety Course taught by an expert in firearms use and safety procedures.

6. PROPERLY MAINTAIN YOUR FIREARM.

Store and carry your firearm so that dirt or lint does not accumulate in the working parts. Clean and oil your firearm, following the instructions provided in this manual, after each use to prevent corrosion, damage to the barrel or accumulation of impurities which can prevent use of the gun in an emergency. Always check the bore and chamber(s) prior to loading to ensure that they are clean and free from obstructions. **Firing with an obstruction in the barrel or chamber can rupture the barrel and injure you or others nearby**. In the event you hear an unusual noise when shooting, stop firing immediately, engage the manual safety and unload the firearm. Make sure the chamber and barrel are free from any obstruction, like a bullet blocked inside the barrel due to defective or improper ammunition.

7. USE PROPER AMMUNITION.

Only use factory-loaded, new ammunition manufactured to industry specifications: CIP (Europe and elsewhere), SAAMI® (U.S.A.). Be certain that each round you use is in the proper caliber or gauge and type for the particular firearm. The caliber or gauge of the firearm is clearly marked on the barrels of shotguns and on the slide or barrel of pistols. The use of reloaded or remanufactured ammunition can increase the likelihood of excessive cartridge pressures, case-head ruptures or other defects in the ammunition that can cause damage to your firearm and injury to yourself or others nearby.

8. ALWAYS WEAR PROTECTIVE GLASSES AND EARPLUGS WHEN SHOOTING.

The chance that gas, gunpowder or metal fragments will blow back and injure a shooter who is firing a gun is rare, but the injury that can be sustained in such circumstances can be severe, including the possible loss of eyesight. A shooter must always wear impact resistant shooting glasses when firing any firearm. Earplugs or other high-quality hearing protectors help reduce the chance of hearing damage from shooting.

9. NEVER CLIMB A TREE, FENCE OR OBSTRUCTION WITH A LOADED FIREARM.

Open and empty the chamber(s) of your firearm and engage the manual safety before climbing or descending a tree or before climbing a fence or jumping over a ditch or other obstruction. Never pull or push a loaded firearm toward yourself or another person. Always unload a firearm, visually and physically check to see that the magazine, loading mechanism and chamber are unloaded, and action is open before handing it to another person. Never take a firearm from another person unless it is unloaded, visually and physically checked to confirm it is unloaded, and the action is open.

10. AVOID ALCOHOLIC BEVERAGES OR JUDGMENT/REFLEX IMPAIRING MEDICATION WHEN SHOOTING.

Do not drink and shoot. If you take medication that can impair motor reactions or judgment, do not handle a firearm while you are under the influence of the medication.

11. NEVER TRANSPORT A LOADED FIREARM.

Unload a firearm before putting it in a vehicle (chamber empty, magazine empty). Hunters and target shooters should load their firearm only at their destination, and only when they are ready to shoot. If you carry a firearm for self-protection, leaving the chamber unloaded can reduce the chance of an unintentional discharge.

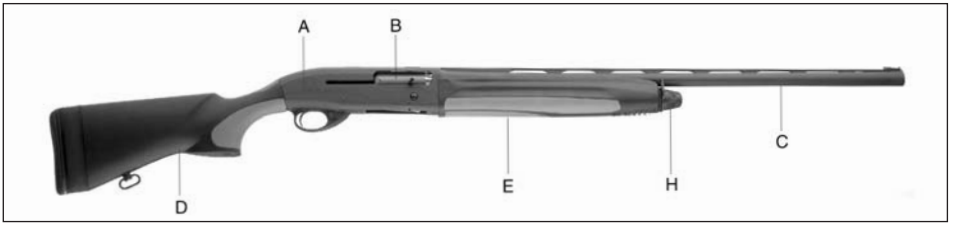
12. LEAD WARNING.

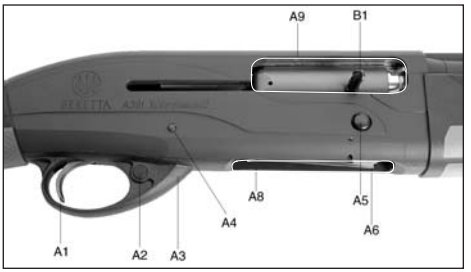
Discharging firearms in poorly ventilated areas, cleaning firearms, or handling ammunition may result in exposure to lead and other substances known to cause birth defects, reproductive harm, and other serious physical injury. Have adequate ventilation at all times. Wash hands thoroughly after exposure.

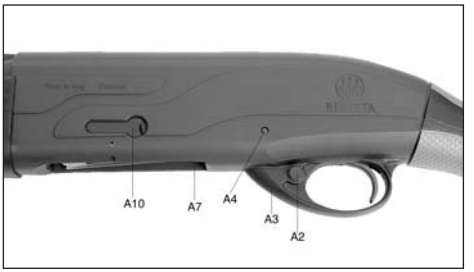
WARNING: It is YOUR responsibility to know and abide by Federal, State and Local laws governing the sale, transportation and use of firearms in your area.

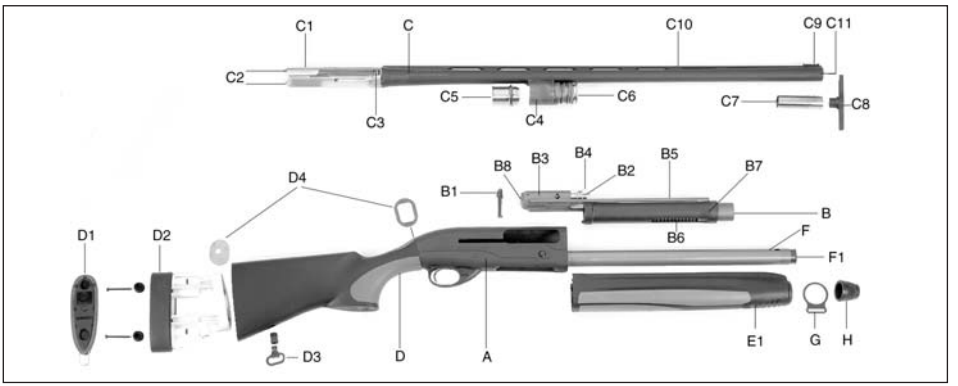
NOMENCLATURE

A Receiver
A1 Trigger
A2 Safety button
A3 Trigger guard
A4 Trigger plate retaining pin
A5 Breech bolt release button
A6 Carrier
A7 Carrier stop push button
A8 Loading gate
A9 Ejection port/cartridge chamber
A10 Cut-off
B Breech bolt assembly
B1 Cocking handle
B2 Extractor
B3 Breech bolt body
B4 Locking head with 2 lugs
B5 Operating rod with sleeve
B6 Recoil spring
B7 Piston retaining sleeve
B8 Firing pin
C Barrel
C1 Barrel breech
C2 Indexing lugs
C3 Locking shoulders
C4 Gas cylinder
C5 Piston with elastic seal
C6 Exhaust valve assembly
C7 Optimachoke® Plus choke tube
C8 Spanner for choke tube
C9 Truglo® front sight
C10 Top rib
C11 Muzzle
D Stock
D1 Gel•Tek recoil pad
D2 Kick Off® recoil absorber
D3 Rear sling swivel
D4 Drop/cast spacers
E Fore-end
E1 Fore-end flange with exhaust port
F Magazine tube
F1 Magazine tube cap
G Front sling swivel
H Fore-end cap









DESCRIPTION

Based on 40 years experience in manufacturing semiautomatic gas operated shotguns, the new Beretta A391 Xtrema2 is born. Designed and conceived for the use of Super Magnum 12 ga. 3½" (89 mm) cartridges, it is also capable of functioning with lighter cartridges.

MODERN AND STREAMLINED RECEIVER DESIGN

The skilfully rounded receiver blends perfectly with the stock grip and permits for instinctive, rapid target acquisition. Impeccable balance makes this shotgun easy to point and fast-handling. The slim fore-end and the stock provide for an improved ergonomic design that facilitates the mount of the shotgun. The sophisticated design of the trigger guard elegantly merges with the receiver. The enlarged opening of the trigger guard facilitates shooting when using gloves. The top of the receiver is designed to accept optics and other aiming systems.

STOCK AND FORE-END IN TECHNOPOLYMER

The stock and fore-end are produced in durable, resistant, anti-scratch fiberglass reinforced technopolymer. The use of technopolymer ensures an improved feel in cold weather and excellent color retention on a part typically subject to wear and tear. Special soft plastic inserts are overmolded on the gripping areas of the stock and fore-end to guarantee a secure grip in adverse weather conditions and absorb vibrations when shooting.

AQUA•TEK

Aqua Technology is the name given to the exclusive special surface and protective treatments that are applied to the metal parts of the new Beretta A391 Xtrema2 shotgun. The steel barrel is chrome-plated inside to withstand the rigors of steel shot. The external surface of the barrel is first blued and then covered with an exclusive protective coating that remarkably increases its resistance to corrosion. The receiver is made of black anodized aluminum alloy and also features the same protective coating.
All the internal parts are either nickel or chrome plated, or they are protected by a special process based on a ionic deposition which impregnates the surfaces with ceramic compounds and metals (e.g. Titanium, Chrome) guaranteeing a great resistance to wear and corrosion. This unique treatment, grey pearl in color, extends to the breech bolt group, the trigger and the carrier. The main internal springs (recoil spring, magazine tube spring, valve spring), the self-compensating valve and the rear drop/cast plate are made of stainless steel.
The homogeneous matte black finish, which characterizes all the metal parts in view, boasts anti-glare properties.

ROTATING BOLT

The A391 Xtrema2 features a rotating bolt with two locking lugs that engage the barrel tang. The barrel tang includes two indexing lugs and a large surface contact area with the receiver that minimize the barrel movement and improve accuracy. The operating rods are integral to the bolt body, ensuring that it is guided symmetrically and with minimal friction. The disassembly and reassembly of this unit is also simplified.

GAS OPERATION SYSTEM WITH EXHAUST VALVE

The unique gas operation system, patented by Beretta, with self-cleaning gas cylinder and piston, is provided with a self-cleaning exhaust valve that automatically vents excess gases of the most powerful cartridges. The result is that the shotgun, without any adjustment, operates with the weakest 28g (1 ounce, 3 1/4 dram equivalent) game load* to the heaviest 64g (2 1/4 ounce) Super Magnum cartridge.
The exhaust valve remains attached to the barrel, ensuring easy and quick assembly and disassembly of the shotgun.

***NOTICE:** Due to the precision machined tolerances on your Beretta shotgun, some wear-in may be required before your new gun will function reliably with light 28g (1 ounce, 3 1/4 dram equivalent) game loads. If you experience any initial functioning problems with these one-ounce loads, we recommend that you fire three or four boxes of standard field loads to allow for this break-in period.

BOLT TRAVEL RECOIL ABSORBER

The bolt travel recoil absorber is manufactured from an advanced elastomer that reduces the stress caused by the breech bolt's impact into the rear of the receiver and simultaneously reduces the vibrations transmitted to the shooter. This also contributes to the shotgun's reliability durability and improved accuracy.

RECOIL REDUCTION SYSTEM

A spring-mass recoil-reduction system, located inside the stock, counters the rearward forces generated by shooting and greatly reduces felt recoil.

KICK OFF® RECOIL ABSORBER

The new Beretta patented Kick Off® system (supplied with the A391 Xtrema2 Kick Off® models) has been conceived to further reduce felt recoil when shooting. Thanks to the Kick Off® device, the recoil energy is gradually dissipated by two hydraulic absorbers (oil-operated) inserted into the stock. The result is superior comfort for the shooter. At the same time, the vibrations and the muzzle jump when shooting are strongly reduced. Long life, reliability and handling of the shotgun are therefore guaranteed.
The standard A391 Xtrema2 model can accept the Kick Off® recoil absorber, that is available as an accessory item.

GEL•TEK RECOIL PAD

The A391 Xtrema2 is supplied with the Beretta Gel•Tek recoil pad. Its advanced technology construction consists of a soft yet scratch resistant and durable polymer shell and a recoil-absorbing silicone gel core. This non-toxic and inert gel distributes the recoil effect over the entire pad surface, reducing the felt recoil and vibrations transmitted to the shooter and it eliminates rubbing of the stock against the cheek. By exchanging optionally available recoil pads of different thicknesses it is possible to modify the length of pull.

STOCK SPACERS

The standard version of the Beretta A391 Xtrema2 comes equipped with a technopolymer spacer, assembled between the stock and the Gel•Tek recoil pad. The spacer is interchangeable with the other spacer included in the packaging in order to have different lengths of pull. The length of pull can be varied from 13.18" (335 mm) without any spacer assembled, to 14.66" (372.5 mm) with both spacers assembled. The stock of the A391 Xtrema2 Kick Off® version is designed to accept the optional 12.5 mm spacer only.

QUICK DETACHABLE SLING SWIVEL

All the Beretta A391 Xtrema2 models come standard with front and rear swivel attachments to fasten the carrying sling. Thanks to an exclusive quick-release system it is possible to mount and remove the rear swivel from the stock without any tools.

OPTIMA-BORE® INTERNAL BARREL PROFILE

The Optima-Bore® internal barrel profile features an overbored diameter and lengthened forcing cone that considerably improve shot pattern distribution, felt recoil reduction and shot velocity optimization.

OPTIMACHOKE® PLUS CHOKE TUBES

The Beretta Optimachoke® Plus tubes feature a long, gradual constriction, designed to minimize shot deformation and to enhance the concentration and distribution of shot patterns. They are engineered to resist steel shot stress and corrosion.

TRUGLO® LUMINOUS FRONT SIGHT

The luminous optic fiber insert on the Truglo® front sight allows a precise aim even in conditions of poor visibility. The luminous insert can be easily interchanged with others in different color. The Truglo® front sight is supplied with the A391 Xtrema2 Kick Off® version. The classic metal front bead on the standard A391 Xtrema2 can be replaced with an optional Truglo® front sight.

CUT-OFF DEVICE

The cut-off control is positioned on the left side of the receiver: it can be engaged when the breech bolt is in the closed position with the use of one hand. If the cut-off is accidentally left engaged, automatic reloading after the first shot will disengage it.

STOCK DROP AND CAST SPACERS

The design of the fiberglass reinforced technopolymer receiver-stock spacer and the stock metal plate allows the stock drop and cast to be adjusted by simply modifying their assembly position. Different stock drop and cast dimensions can be obtained using the extra set of spacers supplied.

MAGAZINE CAPACITY*

The magazine tube is limited to 2 rounds, in compliance with sporting gun laws in force in many countries, by the application of a reducer. Where it is legal, the magazine tube capacity** (with magazine reducer removed) can be increased to 4/5 cartridges (70 mm – 2 3/4"), 4 cartridges (76 mm – 3") or 3 cartridges (89 mm – 3 1/2") .
An optional magazine extension is available.

*Number of rounds in the magazine plus round in the chamber.
** See "Ammunition" chapter

ACCESSORIES

The Beretta A391 Xtrema2 shotgun is supplied with a modern design case and a complement of accessories: additional set of stock drop/cast plates (a set is already mounted on the shotgun), 25 ml. Beretta Gun Oil, Optimachoke® Plus choke tubes (one fitted in the barrel) with special spanner, 2 stock spacers with assembly screws (standard version only) – one is mounted on the stock, 2 sling swivels and optic fiber insert for Truglo® front sight (Kick Off® model only).

NOTICE: There are numerous Beretta special parts and accessories that allow the personalization of your firearm. To request this extensive line of parts and accessories, please contact your local Beretta dealer.

TECHNICAL FEATURES AND DATA

Gauge	12
Cartridge chamber	Universal (from 2 3/4 ” to 3 1/2 ”)
Operation	Semiautomatic, gas operation with exhaust valve mounted on the barrel
Locking system	Breech bolt with rotating head
Receiver	Aluminum alloy with bolt travel elastomer recoil absorber
Barrel	Alloyed steel, chromium-plated bore and chamber
Rib	Ventilated
Front sight	Metal bead or Truglo® luminous front sight
Safety	Cross bolt
Magazine capacity*	Plugged to 2
Stock, fore-end	High strength fiber glass reinforced technopolymer with Recoil Reduction System and Gel•Tek recoil pad. Adjustable drop. Cast-off or cast-on.
Length of pull	Standard model: 13.18” ÷ 14.66” (335 mm÷372.5 mm) Kick Off® model: 14.25” (362 mm)
Weight approx.**	7.6 Lbs./3.450 kg (Standard model) 7.8 Lbs./3.550 kg (Kick Off® model)

* See Ammunition chapter

** Weights are approximate, dependent on barrel length.

ASSEMBLY OF THE PACKED SHOTGUN

WARNING: THIS FIREARM HAS THE CAPABILITY OF TAKING YOUR LIFE OR THE LIFE OF SOMEONE ELSE! ALWAYS BE EXTREMELY CAREFUL WITH YOUR FIREARM. AN ACCIDENT IS ALMOST ALWAYS THE RESULT OF NOT FOLLOWING BASIC FIREARM SAFETY RULES.

WARNING: Beretta assumes no responsibility for any injury or property damage resulting from improper or careless handling, intentional or accidental discharge of the firearm.

WARNING: All assembly, disassembly and maintenance procedures should be carried out with the firearm unloaded (magazine tube empty, receiver empty and cartridge chamber empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber.

WARNING: During the assembly, disassembly and maintenance procedures, never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

NOTICE: The numbers in the figures refer to the photos on pages 108, 109, 110 and 111.

The Beretta A391 Xtrema2 semiautomatic shotgun is packed from the factory with the barrel separate from the stock/receiver/fore-end assembly.
Assemble the barrel to the stock/receiver/fore-end unit as follows:

NOTICE: It is advisable to carry out the assembly operations over a table to catch components should they drop.

CAUTION: If, for any reason, the breech bolt is open and the fore-end is separated from the stock/receiver assembly, avoid pressing the breech bolt release button and be careful to keep your fingers away from the ejection port. Should the breech bolt release button be pressed in this condition, the breech bolt would slam forward and would stop only when the cocking handle hits the forward rim of the ejection port. This could damage both the handle and the receiver.

- Check the barrel. The bore and chamber must be clean and free from obstructions.
- Unscrew (counterclockwise) the fore-end cap from the stock/receiver/fore-end assembly (**Fig. 1**).
- Pull the fore-end off the magazine tube (**Fig. 2**).
- Ensure that the piston is positioned inside the barrel gas cylinder (**Fig. 3**). If the piston is mounted on the magazine tube, remove it and insert it in the barrel cylinder; gently squeeze the elastic seal with your fingers in order to facilitate the insertion of the piston into the cylinder (**Fig. 4**).

- Check that the carrier stop push button is completely depressed. If not, depress it completely (**Fig. 5**).
- Pull the cocking handle backward to bring the breech bolt in the OPEN position (**Fig. 6**). If the hammer is not cocked and the safety is engaged (**Fig. 13/b**) the breech bolt cannot be retracted.

CAUTION: Should the breech bolt release button be pressed in this condition, the breech bolt would slam forward and would stop only when the cocking handle hits the forward rim of the ejection port. This could damage both the handle and the receiver.

- Partially slide the barrel into the receiver, taking care that the magazine tube enters the piston hole as well as that of the gas cylinder and the valve assembly (**Fig. 7**).
- Slide the barrel home into the receiver (**Fig. 8**).
- Slide the fore-end into place over the gas cylinder, valve assembly and magazine tube. Check that the fore-end is perfectly centered on the receiver face (**Fig. 9**). The fore-end is correctly positioned when its rearward edge seats around the receiver.
- Place the supplied front swivel ring on the fore-end flange (if desired) and completely tighten the fore-end cap (**Fig. 10**). Ensure that the swivel is able to freely rotate on its axis.
- Close the breech bolt by depressing the breech bolt release button, keeping your fingers away from the ejection port (**Fig. 11**).

CAUTION: While depressing the breech bolt release button to close the breech bolt, make sure that the cut-off is not inadvertently engaged. Should this occur, the breech bolt would be kept OPEN by the cut-off lever. In this case, always keeping your fingers away from the ejection port, close the breech bolt by operating the cut-off (**Fig. 12**).

- Depress the trigger to lower the hammer.
- Engage the safety by pushing the safety button until the red ring disappears (**Fig. 13-13/b**).

WARNING: The manual safety is merely a mechanical device and is in no way a substitute for the Basic Safety Rules of firearm handling.

WARNING: Do not store firearms in places which are or could be accessible by children or other persons whose unfamiliarity with firearms might lead to unsafe use. Always store your firearms securely and unloaded, separate from ammunition (See point 3 of the BASIC SAFETY RULES).

LOAD CHECK

At various parts in this manual, you are instructed to visually inspect the ejection port, the loading gate and the cartridge chamber and to make sure your Beretta A391 Xtrema2 is unloaded. This operation as well as the precautions below become second nature:

- Never assume that the shotgun is unloaded.
- Never point or push the shotgun toward yourself or another person.
- Always visually inspect the ejection port, the loading gate and the cartridge chamber to make sure they are empty. The cartridge chamber is the portion of the barrel into which the cartridge is fed (**Fig. 14**).
- Before handing the shotgun to anyone else, pull the cocking handle backward to bring the breech bolt in the OPEN position and engage the safety.
- Never take or pull the shotgun from anyone else unless the breech bolt has been opened, and the ejection port, the loading gate and the cartridge chamber have been visually inspected to make sure they are empty.

Proceed as follows to visually inspect the ejection port, the loading gate and the cartridge chamber.

WARNING: Always keep your finger off the trigger and the barrel pointed in a safe direction.

- Check that the carrier stop push button is completely depressed. If not, depress it completely (**Fig. 5**).
- Pull the cocking handle backward to bring the breech bolt in the OPEN position (**Fig. 6**). If the hammer is not cocked and the safety is engaged the breech bolt cannot be retracted.
- Engage the safety by pushing the safety button until the red ring disappears (**Fig. 13-13/b**).
- Look through the ejection port, the loading gate and the cartridge chamber. They must be completely empty. If not, unload them by proceeding as indicated in the chapter: “Unloading the firearm “.
- Close the breech bolt by depressing the breech bolt release button, keeping your fingers away from the ejection port (**Fig. 11**).
- Disengage the safety and depress the trigger to lower the hammer.

OBSTRUCTION CHECK

Visually inspect the barrel to make sure there are no obstructions in the barrel and chamber. This operation is extremely important because if another cartridge is fired with the barrel or chamber obstructed, a catastrophic failure can result.

WARNING: Always make sure the shotgun in unloaded. Refer to the instructions in the section: " LOAD CHECK".

- Check that the carrier stop push button is completely depressed. If not, depress it completely (**Fig. 5**).
- Pull the cocking handle backward to bring the breech bolt in the OPEN position (**Fig. 6**). If the hammer is not cocked and the safety is engaged the breech bolt cannot be retracted.
- Engage the safety by pushing the safety button until the red ring disappears (**Fig. 13-13/b**).
- Following the instructions given in the paragraph: "Disassembly" remove the fore-end and the barrel and look down through the barrel from the rear end and make sure there are no obstructions, even minor ones.

If an obstruction in the barrel is detected, a qualified gunsmith must remove the obstruction and inspect the shotgun before it can be fired.

- Reassemble barrel and fore-end as described in the paragraph "Reassembly".
- Close the breech bolt by depressing the breech bolt release button, keeping your fingers away from the ejection port (**Fig. 11**).
- Disengage the safety and depress the trigger to lower the hammer.

AMMUNITION

WARNING: Beretta assumes no responsibility for physical injury or property damage resulting from the use of defective, improper, hand-loaded, reloaded or remanufactured ammunition. Serious damage and injury, and even death, could result from the use of incorrect ammunition, from firing against bore obstructions and from propellant overloads.

The Beretta A391 Xtrema2 semi-automatic shotgun features a 3½" (89 mm) chamber. You will find the markings for the gauge and chamber length for your shotgun on the side of the barrel. Every gun has been tested with special proof test ammunition.
The shotgun, without any adjustment, fires everything from the weakest 28 g. (1 ounce, 3¼ dram equivalent) game load* to the heaviest 64 g. (2¼ ounce) Super Magnum cartridge.

***NOTICE:** Due to the precision machined tolerances on your Beretta shotgun, some wear-in may be required before your new gun will function reliably with light 28 g (1 ounce, 3 1/4 dram equivalent) game loads. If you experience any initial functioning problems with these one ounce loads, we recommend that you fire three or four boxes of standard field loads to allow for this break-in period.

WARNING: Never use cartridges that do not correspond to the markings on the side of the barrel.

WARNING: Use cartridges whose length corresponds or it is inferior to the chamber length indicated on the side of the barrel.

WARNING: To avoid use of improper ammunition, check markings on the cartridge box and on the cartridge itself to ensure that the correct gauge and length of shell is used for your firearm.

STEEL SHOT

Beretta "SP" (Steel Proof) Optimachoke® Plus tubes are designed for use also with factory steel shot cartridges loaded to standard specifications. When firing steel shot cartridges with the Optimachoke® Plus tubes, the best results are obtained using open chokes (C0000/CL, 0000/IC, 000/M). Use of tight choke constrictions (0/F, 00/IM) when utilizing steel shot, do not increase pattern density and will distort normal pattern density. Additionally, use of tight constrictions when shooting steel shot increases wear and tear of the choke tube and can decrease pattern efficiency or cause "blown patterns". See also the paragraph Beretta Optimachoke® Plus tubes.

MAGAZINE CAPACITY

The magazine tube of the A391 Xtrema2 has been limited to two rounds by the application of a plug in order to comply with the sporting gun laws in force in many countries.
This plug, which is factory mounted, reduces the capacity of the A391 Xtrema2 to no more than three rounds (two in the magazine, one in the chamber).
In the countries where it is allowed, it is possible to increase the magazine capacity to 4/5 rounds (2 3/4" – 70 mm cartridges), 4 rounds (3" – 76 mm cartridges) or 3 rounds (3 1/2" – 89 mm cartridges).

NOTICE: Where allowed by law, an optional magazine tube extension may be purchased. This will increase the magazine capacity to 7 rounds (if using 2 3/4" shells), 6/7 rounds (if using 3" shells) or 5 rounds (if using 3 1/2" shells).

NOTICE: These operations must be carried out by a competent gunsmith.

NOTICE: Wholesalers, dealers or gunsmiths (unless they are a Repair Station authorized by the Manufacturer and/or by its Local Official Distributors) are not authorized to make any Warranty repair or adjustment on behalf of the Manufacturer.

LOADING THE FIREARM

WARNING: Before loading the firearm, practice the following loading procedures without the use of ammunition. Never handle a loaded firearm until you are fully familiar with the loading procedures. Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. Before loading the shotgun, make sure that the safety is engaged. Always point the firearm in a safe direction. (See points 1, 2 and 4 of the BASIC SAFETY RULES). Always check the barrel prior to loading to ensure that it is clean and free from obstructions.

WARNING: The shooter and bystanders must always wear eye and hearing protection. Particles of shot, lead, powder, lubricant, etc. may cause injury to persons. Hearing protection reduces the risk of hearing damage caused by exposure to shooting noise.

WARNING: Always keep your fingers away from the trigger and keep the trigger free from any contact when you do not intend to fire.

NOTICE: If the hammer is de-cocked and the safety is engaged, it is not possible to retract the breech bolt.

- Disengage the safety by pushing the safety button until the red ring appears (**Fig. 15**).

WARNING: When the safety button shows the red ring, the safety is disengaged and the firearm is in the FIRE position.

WARNING: The manual safety is merely a mechanical device and is in no way a substitute for the Basic Safety Rules.

- Check that the carrier stop push button is completely depressed. If not, depress it completely (**Fig. 5**).
- Pull the cocking handle backward to bring the breech bolt in the OPEN position (**Fig. 6**).
- Engage the safety by pushing the safety button until the red ring disappears (**Fig. 13-13/b**).
- Insert the first round into the barrel chamber through the ejection port (**Fig. 16**).
- Depress the breech bolt release button to lock the breech bolt, keeping fingers away from the ejection port.

WARNING: The firearm is now loaded and, once the safety is disengaged, READY TO FIRE. Always keep your fingers away from the trigger and keep the trigger free from any contact when you do not intend to fire. Never point the firearm at something that is not safe to shoot. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

NOTICE: The manufacturer assumes no responsibility for any injury or property damage resulting from improper or careless handling, intentional or accidental discharge of the firearm.

CAUTION: Should the breech bolt remains open, check that the cut-off is not inadvertently engaged. If it is, always keeping your fingers away from the ejection port, close the breech bolt by operating the cut-off button (**Fig. 12**).

- Insert through the loading gate the other cartridges by placing each round on the carrier and pressing it down and forward into the magazine tube until it engages the stop tooth (**Fig. 17**).
- To fire, disengage the safety and pull the trigger.
- After firing the first cartridge, release the trigger completely to re-set the gun for the next shot.
- The gun will fire first the cartridge in the chamber and then automatically feed in the cartridge from the magazine tube.

WARNING: If the gun does not fire on a live cartridge when the trigger is pulled, activate the safety, wait one minute, then unload the firearm as described in the chapter " Unloading the firearm". Never attempt to fire ammunition that did not fire the first time. Dispose of misfire or faulty ammunition properly according to the cartridge manufacturer's recommendations.

WARNING: If a cartridge is fired into an obstructed barrel, a catastrophic failure can result.

If you do not intend to fire the second cartridge, engage the safety with the gun pointed in a safe direction and your fingers away from the trigger. If you have finished firing, unload the shotgun as described in the chapter " Unloading the firearm".

- When the last round has been fired, the breech bolt remains open, thus signalling that the magazine is empty (**Fig. 18**).
- Engage the safety and, if required, reload the firearm as previously indicated.

WARNING: Always unload the firearm immediately after completing shooting. Never store a loaded firearm. Storage instructions refer to the section: "Storage".

USE OF THE CUT-OFF DEVICE

The cut-off device allows to extract a live round from the cartridge chamber and lock the breech bolt open for safety or to replace the round in the chamber, without feeding a new round from the magazine.

WARNING: The firearm is now loaded with a cartridge in the chamber and the safety engaged. Never point a firearm at something that is not safe to shoot. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

- Make sure that the safety is engaged (warning red ring covered) (**Fig. 13/b**).
- Engage the cut-off by depressing the cut-off lever (round side) on the left side of the receiver (**Fig. 19**).
- Retract the breech bolt by means of the cocking handle to extract the live round from the cartridge chamber and eject it through the ejection port. At the end of its travel, the breech bolt is hooked into the OPEN position by the carrier which is locked by the cut-off device. Feeding from magazine is blocked (**Fig. 20**).
- Under safety conditions, insert the extracted cartridge or another cartridge into the chamber.
- Keeping fingers away from the ejection port, depress the cut-off lever to close the breech bolt (**Fig. 12**).

WARNING: The firearm is loaded and, once the safety is disengaged, ready to fire again. Make sure that the safety is fully engaged. Never point a firearm at something that is not safe to shoot. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

- To fire, disengage the safety and pull the trigger.

NOTICE: If the firearm is to function properly, it is recommended that the cut-off be used as described above. In particular, it must be remembered that the breech bolt, when held OPEN by the cut-off, can be closed only by operating the cut-off lever.

UNLOADING THE FIREARM

WARNING: The firearm is loaded and ready to fire. Always keep your fingers away from the trigger and keep the trigger free from any contact when you do not intend to fire. Never point a firearm at someone or at hard and flat surfaces. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

- Pointing the firearm in a safe direction, check that safety is engaged (red ring covered).
- Engage the cut-off (**Fig. 19**) and retract the breech bolt to extract and eject the chambered live round (**Fig. 20**).
- Keeping fingers away from the ejection port, depress the cut-off lever to close the breech bolt (**Fig. 12**).

- Pressing down the carrier and, at the same time, pushing against the cartridge in the magazine, depress the breech bolt release button to ease exit of the shells from the magazine tube.
- Check to ensure the magazine tube and receiver are empty. Disengage the safety. Be careful where you point the firearm, even though it might not be loaded.
- Pull the trigger to lower the hammer.
- Engage the safety by pushing the safety button until the red ring disappears (**Fig. 13-13/b**).

WARNING: The manual safety is merely a mechanical device and is in no way a substitute for the Basic Safety Rules of firearm handling.

DISASSEMBLY

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

NOTICE: It is advisable to carry out the field stripping operations over a table to catch components should they drop.

BARREL

NOTICE: If the hammer is de-cocked and the safety is engaged, it is not possible to retract the breech bolt.

- Disengage the safety by pushing the safety button until the red ring appears (**Fig. 15**).
- Check that the carrier stop push button is completely depressed. If not, depress it completely (**Fig. 5**).
- Pull the cocking handle backward to bring the breech bolt in the open position.
- Unscrew (counterclockwise) the fore-end cap from the firearm and remove the front swivel, if present (**Fig. 21**).
- With one hand hold the barrel down and with the other hand slide the fore-end off the magazine tube (**Fig. 9**).
- Grasping the barrel and holding the piston inside the gas cylinder, slide the barrel forward off the stock/receiver assembly (**Fig. 7**).
- Slide the piston off the gas cylinder (**Fig. 22**).

NOTICE: NEVER DISASSEMBLE the valve spring or the valve spring retaining ring. The valve is self-cleaning and as such does not require maintenance. In case disassembly is required, please consult a competent gunsmith.

BREECH BOLT ASSEMBLY

(Breech bolt, operating rods with sleeve, recoil spring and piston retaining sleeve).

NOTICE: Disassembly of the breech bolt assembly is advisable only when it becomes necessary to clean its individual components. This may become necessary after 500-1000 shots, depending on ammunition used, or at the end of the season before the gun is to be stored for an extended period of time.

- Holding the cocking handle with the index or middle finger of the left hand, depress the breech bolt release button and allow the breech bolt to slide slowly forward until it stops (**Fig. 23**).
- Press the bolt head until the index mark on its neck corresponds to the edge of the bolt body (**Fig. 24**).
- Keeping the bolt head depressed in this position, remove the bolt handle by pulling it out with force (**Fig. 25**).
- Holding the stock/receiver assembly on a table with the ejection port facing upward, slide the operating rods sleeve forward off the magazine tube to extract the breech bolt assembly from the receiver (**Fig. 26**).

TRIGGER PLATE

NOTICE: Disassembly of the trigger group is advisable only when it becomes necessary to clean the trigger mechanism. This may be necessary after 500-1000 shots, depending on ammunition used, or at the end of the season before the gun is to be stored for an extended period of time (See “Special Maintenance”).

- Engage the safety (the hammer is cocked).
- Check that the carrier stop push button is completely depressed. If not, depress it completely (**Fig. 5**).
- Push out the trigger plate retaining pin by pressing it with a drift punch or other similar tool (**Fig. 27**).
- Keeping the breech bolt release button pressed, extract the trigger plate by pulling on the trigger guard with a forward and downward movement (**Fig. 28**).

SLING SWIVELS

How to detach the rear sling swivel

The quick detachable rear sling swivel can be rapidly mounted or removed from the stock.

Proceed as indicated:

- Completely press with your finger the release button at the top of the swivel body and insert the swivel in its seat on the stock (**Fig. 29**).
- To extract the swivel, keep the release button pressed and completely extract the swivel from the stock.

How to remove the front sling swivel
The front swivel can be easily mounted or removed from the fore-end by disassembling the fore-end cap.

CAUTION: Further disassembly of the firearm is not recommended, unless carried out by a competent gunsmith.

NOTICE: Wholesalers, dealers or gunsmiths (unless they are a Repair Station authorized by the Manufacturer and/or by its Local Official Distributors) are not authorized to make any Warranty repair or adjustment on behalf of the Manufacturer.

BERETTA OPTIMACHOKE® PLUS TUBES

Beretta Optimachoke® Plus choke tubes are made of high-grade steel for corrosion resistance and durability. They are designed to withstand the rigors of non-toxic steel shot.

WARNING: The barrel of your A391 Xtrema2 will only accept Optimachoke® Plus chokes.

Beretta's Optimachoke® Plus Designations

Standard Markings	American Designation	Choke Tube Compatibility With Steel Shot	Extra Long Tube
0 (*)	F (Full)	SP (1)	I
00(**)	IM (Improved Modified)	SP (1)	II
000(***)	M (Modified)	SP	III
0000(****)	IC (Improved Cylinder)	SP	IIII
C0000(C****)	CL (Cylinder)	SP	IIIII

(1) Not recommended for use of Steel Shots.
Optimachoke® is a registered trademark of Fabbrica d'Armi Pietro Beretta S.p.A.
Special Optimachoke® Plus chokes for different uses are available in selected markets.

REMOVAL OF THE CHOKE TUBE

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter "Unloading the firearm". Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never look into the muzzle or change tube on a loaded gun, even with safety engaged.

- Unscrew (counterclockwise) the choke using the supplied spanner (**Fig. 30**).
- Remove the choke from the muzzle (**Fig. 31**).

CLEANING OF THE CHOKE TUBE AND ITS HOUSING

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never look into the muzzle or change tube on a loaded gun, even with safety engaged.

- Carefully clean the choke housing. If necessary, use a cotton patch coated with Beretta Gun Oil. Dry the choke housing using a soft patch.
- Check the choke to make sure it is perfectly clean inside and outside.
- Apply a thin coat of Beretta Gun Oil to the thread of the barrel and of the choke tube.

INSTALLATION OF THE CHOKE TUBE

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never look into the muzzle or change tube on a loaded gun, even with safety engaged.

CAUTION: Check that the choke tube is in perfect condition (not damaged) prior installing it.

- Check the choke and the thread of the barrel to make sure they are perfectly clean and lightly oiled.
- Insert the desired choke into the choke housing.
- Carefully hand screw the choke into the barrel clockwise. Using the Beretta spanner, tighten the choke until it is fully bottomed into its recess in the barrel.
- Remove the spanner after tightening.

WARNING: Periodically check, under safe conditions (cartridge chamber empty, receiver empty, magazine tube empty and breech bolt in OPEN position) whether the choke is fully and tightly set into the barrel. If necessary, firmly tighten the choke, using the Beretta spanner, until it can be tighten no more. This tightening is needed to avoid damage to the barrel and to avoid propelling the choke out of the muzzle when the gun is fired, which may cause damage to the gun or injury to persons.

WARNING: The choke tube must be kept correctly tightened in the barrel at all times, even during storage and cleaning. Cleaning barrel with no choke tube in place can push dirt into the barrel thread, causing improper choke installation, rusting, or barrel obstruction.

WARNING: Never shoot choke barrel without using choke tube. Shooting without choke tube is very dangerous as debris could be trapped by the thread and create barrel obstructions. It may also cause erratic shot pattern and can damage the barrel's internal screw thread irreparably.
Do not alter or modify existing fixed choke Beretta barrel for the use of interchangeable choke tubes. The resulting wall thickness would be too thin to safely contain the pressure levels generated by shooting.

ROUTINE MAINTENANCE

When combustion residues, grease or dirt particles have accumulated in the action, clean and lubricate the firearm.
Cleaning and lubrication of the shotgun after use is the best guarantee for protection of parts against corrosion deriving from combustion residues and from use of the firearm in humid or saline environments.
At the end of the hunting or shooting day, perform the Routine Maintenance as indicated.

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter "Unloading the firearm". Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

CAUTION: To clean the shotgun, merely disassemble it following the procedure described in the relevant section.

BARREL

- After use, thoroughly clean the barrel bore by passing a swab through it to remove combustion residues. If necessary, use a cleaning rod with bronze brush and/or a patch soaked in a bore cleaning solvent.
- Thoroughly clean the locking shoulders on the barrel breech.
- Pull a clean soft patch through the barrel bore.
- Lightly lubricate the barrel bore by pulling through it a soft clean patch treated with Beretta Gun Oil.
- Check the barrel and the cartridge chamber to ensure that they are clean and free from obstructions.

WARNING: Excess oil and grease obstructing the bore, even partially, are very dangerous when firing and may cause damages to the shotgun and serious injury to the shooter and bystanders. Never spray or apply oil to the cartridges. Use lubricants properly: you are responsible for the proper care and maintenance of the firearm.

GAS CYLINDER, PISTON, MAGAZINE TUBE

CAUTION: Magnum cartridges and particularly Super Magnum shotshells produce a high amount of combustion gases. The particular composition of some Super Magnum shotshells' powder can generate a strong deposit of combustion residues. The parts of the shotgun which, coming into contact with the gases, are more affected by the combustion residues are the gas cylinder (inside), the piston with its elastic seal, and the magazine tube.

- Carefully clean the piston, the elastic seal and the magazine tube with a soft brush sprayed with Beretta Gun Oil.
- Ensure that the piston can freely move along the magazine tube.
- Carefully clean the inner side of the gas cylinder with a bronze brush sprayed with Beretta Gun Oil.
- When all combustion residues are removed, clean the inside of the gas cylinder with a soft cloth.

CAUTION: Do not oil these parts.

EXHAUST VALVE ASSEMBLY

NOTICE: Never disassemble the compensating valve assembly. If this becomes necessary, please consult a competent gunsmith.

SPECIAL MAINTENANCE

Every 500 – 1000 rounds (according to the type of ammunition used) and in any case at the end of the hunting season, before storing the shotgun, in addition to the Routine Maintenance, also perform the following Special Maintenance operations.

FORE-END FLANGE

- Carefully clean the fore-end flange exhaust valve port with a soft brush sprayed with Beretta Gun Oil. Carefully dry the flange with a soft cloth.

BREECH BOLT ASSEMBLY (Breech bolt, operating rods with sleeve, recoil spring and piston retaining sleeve) (**Fig. 32**).

- Thoroughly clean the parts with a small brush and Beretta Gun Oil.
- Carefully dry with a soft cloth and lightly oil the parts with Beretta Gun Oil.

TRIGGER PLATE

- Thoroughly clean the parts with a soft cloth.
- Lightly oil the metal parts and the trigger plate retaining pin.

RECEIVER

- Maintain as described for the breech bolt assembly. Carefully dry with a soft cloth and lightly oil the slide rails of the breech bolt inside the receiver.

WARNING: Do not attempt to make repairs to any firearm without proper knowledge or training. Do not alter parts or use substitute parts not made by Beretta. Any alterations or adjustments that may be necessary to the operating mechanism should be performed by the Manufacturer or by its Local Official Distributor.

REASSEMBLY

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

TRIGGER PLATE

- Operate in reverse order to what is described in the chapter “Disassembly” making sure that the hammer is cocked, the safety engaged and the carrier stop push button depressed.
- Insert the trigger plate retaining pin, ensuring that the trigger plate hole is centered on the receiver hole.

BREECH BOLT ASSEMBLY (Breech bolt, operating rods with sleeve, recoil spring and piston retaining sleeve).

- Holding the stock/receiver assembly on a table with the ejection port facing upward, slide the breech bolt, operating rods with sleeve, recoil spring and piston retaining sleeve on the magazine tube and partially insert the breech bolt into the receiver (**Fig. 26**).
- Push the operating rod sleeve down until it seats against the receiver and the bolt body is inside the receiver.
- Press the bolt head until the index mark on its neck corresponds to the edge of the bolt body.
- Keeping the bolt head depressed in this position, push in the bolt handle until it snaps into place (**Fig. 25**).

BARREL

- Check the barrel and the cartridge chamber to ensure that they are clean and free from obstructions.
- Insert the piston into the gas cylinder, gently squeezing the elastic seal with your fingers in order to facilitate the insertion of the piston into the cylinder (**Fig. 4**).
- Check that the carrier stop push button is completely depressed. If not, depress it completely (**Fig. 5**).
- Pull the cocking handle backward to bring the breech bolt in the OPEN position (**Fig. 6**).

CAUTION: Should the breech bolt release button be pressed in this condition, the breech bolt would slam forward and would stop only when the cocking handle hits the forward rim of the ejection port. This could damage both the handle and the receiver.

- Partially slide the breech barrel into the receiver, taking care that the magazine tube enters the piston hole as well as that of the gas cylinder and the valve assembly (**Fig. 7**).
- Slide the barrel home into the receiver (**Fig. 8**).
- Slide the fore-end into place over the gas cylinder, valve assembly and magazine tube. Check that the fore-end is perfectly centered on the receiver face (**Fig. 9**). The fore-end is correctly positioned when its rearward edge seats around the receiver.
- Place the front swivel ring on the fore-end flange (if desired) and completely tighten the fore-end cap (**Fig. 10**). Ensure that the swivel is able to freely rotate on its axis.
- Close the breech bolt by depressing the breech bolt release button, keeping your fingers away from the ejection port (**Fig. 11**).

CAUTION: While depressing the breech bolt release button to close the breech bolt, make sure that the cut-off is not inadvertently engaged. Should this occur, the breech bolt would be kept OPEN by the cut-off lever. In this case, always keeping your fingers away from the ejection port, close the breech bolt by operating the cut-off (**Fig. 12**).

- Depress the trigger to lower the hammer.
- Engage the safety by pushing the safety button until the red ring disappears (**Fig. 13-13/b**)

WARNING: The manual safety is merely a mechanical device and is in no way a substitute for the Basic Safety Rules of firearm handling.

WARNING: Do not store firearms in places which are or could be accessible by children or other persons whose unfamiliarity with firearms might lead to unsafe use. Always store your firearms securely and unloaded, separate from ammunition. (See point 3 of the BASIC SAFETY RULES).

CAUTION: It is recommended to store the firearm disassembled (See paragraph Storage).

GEL • TEK RECOIL PAD

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

The standard Gel•Tek recoil pad can be replaced with other Beretta recoil pads of different thickness and material (optional). By exchanging optionally available recoil pads of different thicknesses it is possible to modify the length of pull.

TO REMOVE THE GEL•TEK RECOIL PAD

- With a flathead screwdriver (approx. 4 mm/0.2”), pull out retaining clasp of the Gel•Tek recoil pad (**Fig. 33**).
- Remove the Gel•Tek recoil pad (**Fig. 34**).

TO REASSEMBLE THE GEL TEK RECOIL PAD

- With a flathead screwdriver (approx. 4 mm/0.2”), pull out retaining clasp of the Gel•Tek recoil pad.
- Place the pad on the Kick Off® recoil absorber or on the stock insert (standard version) and make sure that all bushings are placed in the proper holes.
- While securely pushing the pad against the stock, push retaining clasp back, until it disappears in the pad assembly (**Fig. 35**). Be sure that the pad fits flush to the stock without movement.

STOCK SPACERS

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

NOTICE: The Standard version (i.e. non-Kick Off®) comes with a 12.5 mm spacer and a 25 mm spacer with their screws. The short screws allow the attachment of the 12.5 mm spacer. When mounting the 25 mm spacer or both spacers use the long screws. The Kick Off® model can accept the optionally available 12.5 mm spacer only.

The standard model of the A391 Xtrema2 (not supplied with the Kick Off® recoil absorber) comes with the 25mm spacer already mounted between the stock insert and the Gel•Tek recoil pad. In order to increase the length of pull it is possible to also add the supplied 12.5mm thin spacer. The thin spacer is included in the packaging of the standard version only. If you wish to reduce the length of pull remove the thick spacer or replace it with the thin spacer. The Kick Off® model can accept the optional 12.5mm spacer only.

To disassemble and reassemble the spacer proceed as indicated:

- Remove the Gel•Tek recoil pad as described in the previous paragraph.
- Unscrew and remove the retaining screws and the bushings from the stock, using a Phillips-head screwdriver (**Fig. 36**).
- Remove the mounted spacer, replace it, or add the other one.
- Insert bushings in their lodgings in the stock and securely tighten all screws using a properly sized Phillips-head screwdriver.
- Remount the Gel•Tek recoil pad on the stock as described in the previous paragraph.

STOCK DROP AND CAST MODIFICATION

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

The Beretta A391 Xtrema2 is factory set with a heel drop of 55 or 60 mm (2.16” or 2.36”) and cast-off (right-handed shooters).

The components, which determine the drop and the cast, are: (see drawing next page)

① A receiver-stock spacer made of fiberglass reinforced technopolymer.
② A metal stock plate.

Both the spacer ① and the plate ② are designed to secure two different drops with cast-off or with cast on (for left-handed shooters) depending on how they are assembled. Other measures of stock drop can be obtained using the supplied extra set of spacer/plate.

CHANGING THE STOCK DROP AND CAST SPACER/PLATE

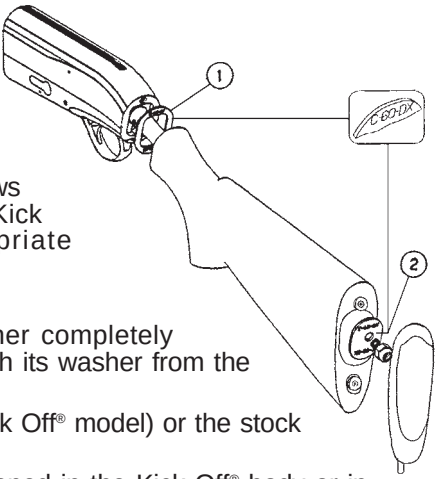
NOTICE: The “DX” mark on the spacer/plate means “cast-off”, the “SX” mark means “cast-on”. The stock drop measures are in millimeters. The stock drop and cast of the front spacer ① must always correspond to those of the rear plate ②.

WARNING: Stock modifications for drop and cast must be carried out by a competent gunsmith. The improper observance of the following procedures could cause damage to the shotgun and/or injury to the bystanders.

NECESSARY TOOLS

- Screwdriver.
- Hexagonal spanner (6 mm)
- Hexagonal tube spanner (13 mm).
- Torque wrench (suggested).

DISASSEMBLY



- Remove the rear sling swivel (see disassembly section).
- Using a 6mm hexagonal key completely unscrew the swivel bushing inserted in the stock (**Fig. 37**). Remove the bushing from the stock.
- Remove the Gel•Tek recoil pad, its screws and bushings from the stock insert or Kick Off® recoil absorber (See the appropriate paragraphs) (**Fig. 36**).
- Remove the stock spacer, if present.
- Using the 13mm hexagonal tube spanner completely unscrew and remove the retaining nut with its washer from the stock.
- Remove the Kick Off® recoil absorber (Kick Off® model) or the stock insert (standard model).
- Remove the internal metal plate ②, positioned in the Kick Off® body or in the stock insert.
- Separate the stock from the receiver and remove the technopolymer front spacer ①.

REASSEMBLY

- Mount the front spacer ① around the stock bolt tube. Make sure that the spacer shows the desired drop and cast on the top (In the drawing: C-60-DX).
- Assemble the stock. Position the rear plate ② in the appropriate seat of the Kick Off® recoil absorber or of the stock insert. On the top, the rear plate must show the same drop and cast of the front spacer. Remount the Kick Off® device or the stock insert onto the stock and be sure to center the rear plate ② hole with the stock bolt tube.
- Push the Kick Off® recoil absorber or the stock insert into the stock until it reaches the correct position. (During this operation keep the shotgun vertical with the barrel down). Mount the washer around the stock bolt tube.
- Make sure that the front spacer ① is centered between the stock and the receiver.
- Using the 13mm spanner, insert on place and completely screw the stock retaining nut with a torque of about 1.6/1.8 Kgm (11.6/13.0 Ftlb) (Kg meter). A torque wrench is useful for this purpose.
- Reassemble the spacer/s, if present, and insert the Gel•Tek bushings in their lodgings in the Kick Off® recoil absorber or in the stock insert and securely tighten all screws using a properly sized Phillips-head screwdriver.
- Remount the Gel•Tek recoil pad as previously indicated.
- Insert the rear swivel bushing in the stock and, using a 6mm hexagonal spanner, screw until tight.
- Insert the rear swivel in its seat.

REPLACEMENT OF TRUGLO® FRONT SIGHT LUMINOUS INSERT

WARNING: Check the firearm is unloaded (cartridge chamber empty, receiver empty, magazine tube empty). Check that the firearm is unloaded by looking through the ejection port, the loading gate and the chamber. If the shotgun is not unloaded, unload it as described in the chapter “Unloading the firearm”. Lower the hammer on the unloaded gun by pulling the trigger.

WARNING: Never point a firearm at someone or at hard and flat surfaces. Treat the firearm as if it were loaded. (See points 1, 2 and 4 of the BASIC SAFETY RULES).

CAUTION: The Truglo® front sight is supplied with the A391 Xtrema2 Kick Off® version. The metal front bead on the standard A391 Xtrema2 can be replaced with a Truglo® front sight, available on request.

In order to replace the fiber optic luminous insert with another one of different color, proceed as follows:

- Disengage the luminous insert from the front ring by lightly pressing downwards. Extract the insert by pushing the insert rearwardly so that it completely protrudes from the rear ring.
- Push the new luminous insert into the rear ring. Press downwards and slide the front part of the insert towards the front ring until a distinctive click is felt.
- Check that the luminous insert is firmly fixed.

STORAGE

WARNING: Store your shotgun so that children cannot gain access to it. To reduce the risk of accidents involving children, unload your firearm, lock it and store the ammunition in a separate locked location.

CAUTION: Store the firearm disassembled (barrel/fore-end and receiver/stock) in the supplied case. Before storage, always check the conditions of the shotgun and its case. Make sure that they are perfectly dry. Moisture and water drops could cause damage to the shotgun.

CAUTION: Do not store the shotgun in a leather or fabric case as these materials absorb humidity even if they look perfectly dry.

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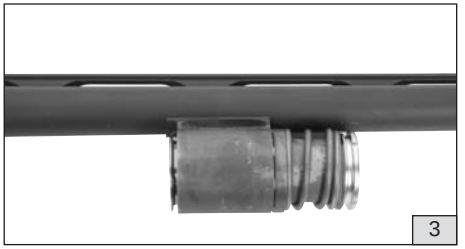
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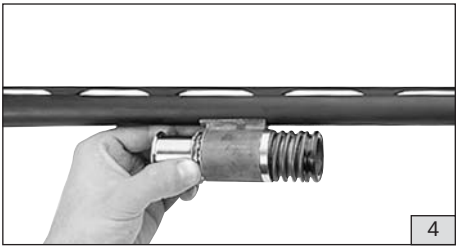
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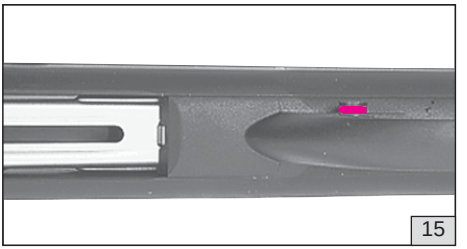
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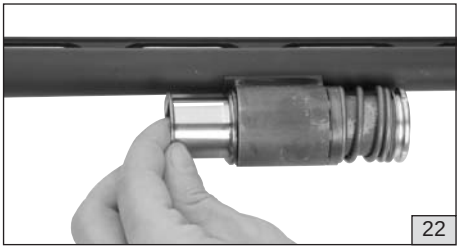
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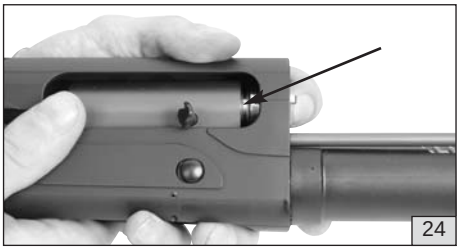
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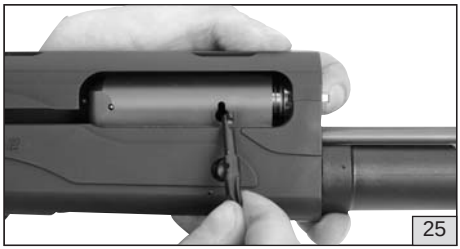
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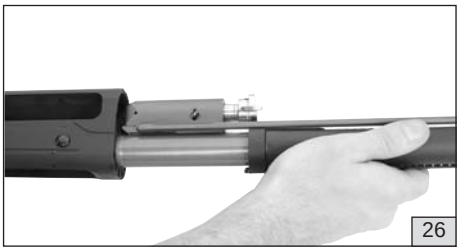
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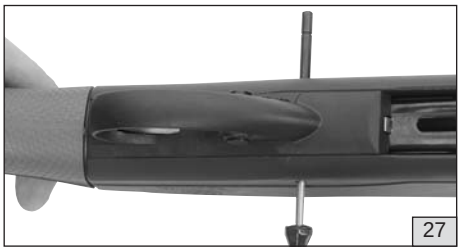
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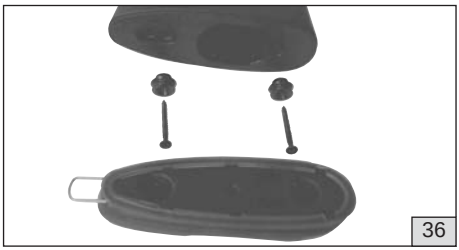
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Fabbrica d'Armi Pietro Beretta S.p.A.
Via Pietro Beretta, 18
25063 GARDONE VAL TROMPIA (Brescia) Italia
Tel. (030) 8341.1
www.beretta.com